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DEC 10 2002

TECH CENTER 1600/2900



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DEC 05 2002

TECH CENTER 1600/2900

<110> INCYTE GENOMICS, INC.
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<120> HUMAN HYDROLYTIC ENZYMES

<130> PF-0738 USN

<140> 10/070,634

<141> Herewith

<150> PCT/US00/24107

<151> 2000-08-31

<150> 60/151,819

<151> 1999-09-01

<160> 28

<170> PERL Program

<210> 1

<211> 288

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1659002CD1

<400> 1

Met	Ala	Ala	Val	Leu	Gln	Arg	Val	Glu	Arg	Leu	Ser	Asn	Arg	Val
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Val	Arg	Val	Leu	Gly	Cys	Asn	Pro	Gly	Pro	Met	Thr	Leu	Gln	Gly
			20					25						30
Thr	Asn	Thr	Tyr	Leu	Val	Gly	Thr	Gly	Pro	Arg	Arg	Ile	Leu	Ile
			35					40						45
Asp	Thr	Gly	Glu	Pro	Ala	Ile	Pro	Glu	Tyr	Ile	Ser	Cys	Leu	Lys
			50					55						60
Gln	Ala	Leu	Thr	Glu	Phe	Asn	Thr	Ala	Ile	Gln	Glu	Ile	Val	Val
			65					70						75
Thr	His	Trp	His	Arg	Asp	His	Ser	Gly	Gly	Ile	Gly	Asp	Ile	Cys
			80					85						90
Lys	Ser	Ile	Asn	Asn	Asp	Thr	Thr	Tyr	Cys	Ile	Lys	Lys	Leu	Pro
			95					100						105
Arg	Asn	Pro	Gln	Arg	Glu	Glu	Ile	Ile	Gly	Asn	Gly	Glu	Gln	Gln
			110					115						120
Tyr	Val	Tyr	Leu	Lys	Asp	Gly	Asp	Val	Ile	Lys	Thr	Glu	Gly	Ala

	125		130		135
Thr Leu Arg Val	Leu Tyr Thr Pro Gly	His Thr Asp Asp His	Met		
	140		145		150
Ala Leu Leu Leu	Glu Glu Glu Asn Ala	Ile Phe Ser Gly Asp	Cys		
	155		160		165
Ile Leu Gly Glu	Gly Thr Thr Val Phe	Glu Asp Leu Tyr Asp	Tyr		
	170		175		180
Met Asn Ser Leu	Lys Glu Leu Leu Lys	Ile Lys Ala Asp Ile	Ile		
	185		190		195
Tyr Pro Gly His	Gly Pro Val Ile His	Asn Ala Glu Ala Lys	Ile		
	200		205		210
Gln Gln Tyr Ile	Ser His Arg Asn Ile	Arg Glu Gln Gln Ile	Leu		
	215		220		225
Thr Leu Phe Arg	Glu Asn Phe Glu Lys	Ser Phe Thr Val Met	Glu		
	230		235		240
Leu Val Lys Ile	Ile Tyr Lys Asn Thr	Pro Glu Asn Leu His	Glu		
	245		250		255
Met Ala Lys His	Asn Leu Leu Leu His	Leu Lys Lys Leu Glu	Lys		
	260		265		270
Glu Gly Lys Ile	Phe Ser Asn Thr Asp	Pro Asp Lys Lys Trp	Lys		
	275		280		285
Ala His Leu					

<210> 2

<211> 432

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 1881009CD1

<400> 2

Met Phe Pro Ser	Ile Leu Met Phe His	Pro Glu Ala Ala Arg	Ala
1	5	10	15
Ile Leu Glu Tyr	Arg Ile Arg Thr Leu	Asp Gly Ala Leu Glu	Asn
	20	25	30
Ala Gln Asn Leu	Gly Tyr Gln Gly Ala	Lys Phe Ala Trp Glu	Ser
	35	40	45
Ala Asp Ser Gly	Leu Glu Val Cys Pro	Glu Asp Ile Tyr Gly	Val
	50	55	60
Gln Glu Val His	Val Asn Gly Ala Val	Val Leu Ala Phe Glu	Leu
	65	70	75
Tyr Tyr His Thr	Thr Gln Asp Leu Gln	Leu Phe Arg Glu Ala	Gly
	80	85	90
Gly Trp Asp Val	Val Arg Ala Val Ala	Glu Phe Trp Cys Ser	Arg
	95	100	105
Val Glu Trp Ser	Pro Arg Glu Glu Lys	Tyr His Leu Arg Gly	Val
	110	115	120
Met Ser Pro Asp	Glu Tyr His Ser Gly	Val Asn Asn Ser Val	Tyr
	125	130	135
Thr Asn Val Leu	Val Gln Asn Ser Leu	Arg Phe Ala Ala Ala	Leu
	140	145	150

Ala	Gln	Asp	Leu	Gly	Leu	Pro	Ile	Pro	Ser	Gln	Trp	Leu	Ala	Val	155	160	165
Ala	Asp	Lys	Ile	Lys	Val	Pro	Phe	Asp	Val	Glu	Gln	Asn	Phe	His	170	175	180
Pro	Glu	Phe	Asp	Gly	Tyr	Glu	Pro	Gly	Glu	Val	Val	Lys	Gln	Ala	185	190	195
Asp	Val	Val	Leu	Leu	Gly	Tyr	Pro	Val	Pro	Phe	Ser	Leu	Ser	Pro	200	205	210
Asp	Val	Arg	Arg	Lys	Asn	Leu	Glu	Ile	Tyr	Glu	Ala	Val	Thr	Ser	215	220	225
Pro	Gln	Gly	Pro	Ala	Met	Thr	Trp	Ser	Met	Phe	Ala	Val	Gly	Trp	230	235	240
Met	Glu	Leu	Lys	Asp	Ala	Val	Arg	Ala	Arg	Gly	Leu	Leu	Asp	Arg	245	250	255
Ser	Phe	Ala	Asn	Met	Ala	Glu	Pro	Phe	Lys	Val	Trp	Thr	Glu	Asn	260	265	270
Ala	Asp	Gly	Ser	Gly	Ala	Val	Asn	Phe	Leu	Thr	Gly	Met	Gly	Gly	275	280	285
Phe	Leu	Gln	Ala	Val	Val	Phe	Gly	Cys	Thr	Gly	Phe	Arg	Val	Thr	290	295	300
Arg	Ala	Gly	Val	Thr	Phe	Asp	Pro	Val	Cys	Leu	Ser	Gly	Ile	Ser	305	310	315
Arg	Val	Ser	Val	Ser	Gly	Ile	Phe	Tyr	Gln	Gly	Asn	Lys	Leu	Asn	320	325	330
Phe	Ser	Phe	Ser	Glu	Asp	Ser	Val	Thr	Val	Glu	Val	Thr	Ala	Arg	335	340	345
Ala	Gly	Pro	Trp	Ala	Pro	His	Leu	Glu	Ala	Glu	Leu	Trp	Pro	Ser	350	355	360
Gln	Ser	Arg	Leu	Ser	Leu	Leu	Pro	Gly	His	Lys	Val	Ser	Phe	Pro	365	370	375
Arg	Ser	Ala	Gly	Arg	Ile	Gln	Met	Ser	Pro	Pro	Lys	Leu	Pro	Gly	380	385	390
Ser	Ser	Ser	Ser	Glu	Phe	Pro	Gly	Arg	Thr	Phe	Ser	Asp	Val	Arg	395	400	405
Asp	Pro	Leu	Gln	Ser	Pro	Leu	Trp	Val	Thr	Leu	Gly	Ser	Ser	Ser	410	415	420
Pro	Thr	Glu	Ser	Leu	Thr	Val	Asp	Pro	Ala	Ser	Glu				425	430	

<210> 3

<211> 737

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2054065CD1

<400> 3

Met	Ala	Asp	Thr	Gln	Tyr	Ile	Leu	Pro	Asn	Asp	Ile	Gly	Val	Ser	1	5	10	15
Ser	Leu	Asp	Cys	Arg	Glu	Ala	Phe	Arg	Leu	Leu	Ser	Pro	Thr	Glu	20	25	30	

Arg	Leu	Tyr	Ala	Tyr	His	Leu	Ser	Arg	Ala	Ala	Trp	Tyr	Gly	Gly	35	40	45
Leu	Ala	Val	Leu	Leu	Gln	Thr	Ser	Pro	Glu	Ala	Pro	Tyr	Ile	Tyr	50	55	60
Ala	Leu	Leu	Ser	Arg	Leu	Phe	Arg	Ala	Gln	Asp	Pro	Asp	Gln	Leu	65	70	75
Arg	Gln	His	Ala	Leu	Ala	Glu	Gly	Leu	Thr	Glu	Glu	Glu	Tyr	Gln	80	85	90
Ala	Phe	Leu	Val	Tyr	Ala	Ala	Gly	Val	Tyr	Ser	Asn	Met	Gly	Asn	95	100	105
Tyr	Lys	Ser	Phe	Gly	Asp	Thr	Lys	Phe	Val	Pro	Asn	Leu	Pro	Lys	110	115	120
Glu	Lys	Leu	Glu	Arg	Val	Ile	Leu	Gly	Ser	Glu	Ala	Ala	Gln	Gln	125	130	135
His	Pro	Glu	Glu	Val	Arg	Gly	Leu	Trp	Gln	Thr	Cys	Gly	Glu	Leu	140	145	150
Met	Phe	Ser	Leu	Glu	Pro	Arg	Leu	Arg	His	Leu	Gly	Leu	Gly	Gln	155	160	165
Glu	Gly	Ile	Thr	Thr	Tyr	Phe	Ser	Gly	Asn	Cys	Thr	Met	Glu	Asp	170	175	180
Ala	Lys	Leu	Ala	Gln	Asp	Phe	Leu	Asp	Ser	Gln	Asn	Leu	Ser	Ala	185	190	195
Tyr	Asn	Thr	Arg	Leu	Phe	Lys	Glu	Val	Asp	Gly	Glu	Gly	Lys	Pro	200	205	210
Tyr	Tyr	Glu	Val	Arg	Leu	Ala	Ser	Val	Leu	Gly	Ser	Glu	Pro	Ser	215	220	225
Leu	Asp	Ser	Glu	Val	Thr	Ser	Lys	Leu	Lys	Ser	Tyr	Glu	Phe	Arg	230	235	240
Gly	Ser	Pro	Phe	Gln	Val	Thr	Arg	Gly	Asp	Tyr	Ala	Pro	Ile	Leu	245	250	255
Gln	Lys	Val	Val	Glu	Gln	Leu	Glu	Lys	Ala	Lys	Ala	Tyr	Ala	Ala	260	265	270
Asn	Ser	His	Gln	Gly	Gln	Met	Leu	Ala	Gln	Tyr	Ile	Glu	Ser	Phe	275	280	285
Thr	Gln	Gly	Ser	Ile	Glu	Ala	His	Lys	Arg	Gly	Ser	Arg	Phe	Trp	290	295	300
Ile	Gln	Asp	Lys	Gly	Pro	Ile	Val	Glu	Ser	Tyr	Ile	Gly	Phe	Ile	305	310	315
Glu	Ser	Tyr	Arg	Asp	Pro	Phe	Gly	Ser	Arg	Gly	Glu	Phe	Glu	Gly	320	325	330
Phe	Val	Ala	Val	Val	Asn	Lys	Ala	Met	Ser	Ala	Lys	Phe	Glu	Arg	335	340	345
Leu	Val	Ala	Ser	Ala	Glu	Gln	Leu	Leu	Lys	Glu	Leu	Pro	Trp	Pro	350	355	360
Pro	Thr	Phe	Glu	Lys	Asp	Lys	Phe	Leu	Thr	Pro	Asp	Phe	Thr	Ser	365	370	375
Leu	Asp	Val	Leu	Thr	Phe	Ala	Gly	Ser	Gly	Ile	Pro	Ala	Gly	Ile	380	385	390
Asn	Ile	Pro	Asn	Tyr	Asp	Asp	Leu	Arg	Gln	Thr	Glu	Gly	Phe	Lys	395	400	405
Asn	Val	Ser	Leu	Gly	Asn	Val	Leu	Ala	Val	Ala	Tyr	Ala	Thr	Gln	410	415	420
Arg	Glu	Lys	Leu	Thr	Phe	Leu	Glu	Glu	Asp	Asp	Lys	Asp	Leu	Tyr	425	430	435
Ile	Leu	Trp	Lys	Gly	Pro	Ser	Phe	Asp	Val	Gln	Val	Gly	Leu	His	440	445	450

Glu	Leu	Leu	Gly	His	Gly	Ser	Gly	Lys	Leu	Phe	Val	Gln	Asp	Glu
				455					460					465
Lys	Gly	Ala	Phe	Asn	Phe	Asp	Gln	Glu	Thr	Val	Ile	Asn	Pro	Glu
				470					475					480
Thr	Gly	Glu	Gln	Ile	Gln	Ser	Trp	Tyr	Arg	Ser	Gly	Glu	Thr	Trp
				485					490					495
Asp	Ser	Lys	Phe	Ser	Thr	Ile	Ala	Ser	Ser	Tyr	Glu	Glu	Cys	Arg
				500					505					510
Ala	Glu	Ser	Val	Gly	Leu	Tyr	Leu	Cys	Leu	His	Pro	Gln	Val	Leu
				515					520					525
Glu	Ile	Phe	Gly	Phe	Glu	Gly	Ala	Asp	Ala	Glu	Asp	Val	Ile	Tyr
				530					535					540
Val	Asn	Trp	Leu	Asn	Met	Val	Arg	Ala	Gly	Leu	Leu	Ala	Leu	Glu
				545					550					555
Phe	Tyr	Thr	Pro	Glu	Ala	Phe	Asn	Trp	Arg	Gln	Ala	His	Met	Gln
				560					565					570
Ala	Arg	Phe	Val	Ile	Leu	Arg	Val	Leu	Leu	Glu	Ala	Gly	Glu	Gly
				575					580					585
Leu	Val	Thr	Ile	Thr	Pro	Thr	Thr	Gly	Ser	Asp	Gly	Arg	Pro	Asp
				590					595					600
Ala	Arg	Val	Arg	Leu	Asp	Arg	Ser	Lys	Ile	Arg	Ser	Val	Gly	Lys
				605					610					615
Pro	Ala	Leu	Glu	Arg	Phe	Leu	Arg	Arg	Leu	Gln	Val	Leu	Lys	Ser
				620					625					630
Thr	Gly	Asp	Val	Ala	Gly	Gly	Arg	Ala	Leu	Tyr	Glu	Gly	Tyr	Ala
				635					640					645
Thr	Val	Thr	Asp	Ala	Pro	Pro	Glu	Cys	Phe	Leu	Thr	Leu	Arg	Asp
				650					655					660
Thr	Val	Leu	Leu	Arg	Lys	Glu	Ser	Arg	Lys	Leu	Ile	Val	Gln	Pro
				665					670					675
Asn	Thr	Arg	Leu	Glu	Gly	Ser	Asp	Val	Gln	Leu	Leu	Glu	Tyr	Glu
				680					685					690
Ala	Ser	Ala	Ala	Gly	Leu	Ile	Arg	Ser	Phe	Ser	Glu	Arg	Phe	Pro
				695					700					705
Glu	Asp	Gly	Pro	Glu	Leu	Glu	Glu	Ile	Leu	Thr	Gln	Leu	Ala	Thr
				710					715					720
Ala	Asp	Ala	Arg	Phe	Trp	Lys	Gly	Pro	Ser	Glu	Ala	Pro	Ser	Gly
				725					730					735
Gln	Ala													

<210> 4

<211> 108

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2183367CD1

<400> 4

Met	Thr	Arg	Arg	Trp	Gly	Pro	Ser	Ser	Gln	Leu	Gln	His	Gln	Ser
1				5					10					15
Leu	Pro	Pro	Arg	Ser	His	Ala	Trp	Ser	Pro	Arg	Ala	Gln	Pro	Ala

	20		25		30
Arg Arg Glu Gly	Glu Arg Arg Arg Arg	Pro Asn Arg Pro Ala Trp			
	35		40		45
Gly Pro Ser Arg	Arg Pro Leu Pro Pro	Glu Arg Gly Leu Asp Pro			
	50		55		60
Asn Gly Glu Gln	Val Val Trp Gln Ala	Ser Gly Trp Ala Ala Arg			
	65		70		75
Ile Ile Gln His	Glu Met Asp His Leu	Gln Gly Cys Leu Phe Ile			
	80		85		90
Asp Lys Met Asp	Ser Arg Thr Phe Thr	Asn Val Tyr Trp Met Lys			
	95		100		105
Val Asn Asp					

<210> 5

<211> 510

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2458536CD1

<400> 5

Met Ala Ala Asp	Ser Asp Asp Gly	Ala Val Ser Ala	Pro Ala Ala	
1	5	10		15
Ser Asp Gly Gly	Val Ser Lys Ser	Thr Thr Ser Gly	Glu Glu Leu	
	20		25	30
Val Val Gln Val	Pro Val Val Asp	Val Gln Ser Asn	Asn Phe Lys	
	35		40	45
Glu Met Trp Pro	Ser Leu Leu Leu	Ala Ile Lys Thr	Ala Asn Phe	
	50		55	60
Val Ala Val Asp	Thr Glu Leu Ser	Gly Leu Gly Asp	Arg Lys Ser	
	65		70	75
Leu Leu Asn Gln	Cys Ile Glu Glu	Arg Tyr Lys Ala	Val Cys His	
	80		85	90
Ala Ala Arg Thr	Arg Ser Ile Leu	Ser Leu Gly Leu	Ala Cys Phe	
	95		100	105
Lys Arg Gln Pro	Asp Lys Gly Glu	His Ser Tyr Leu	Ala Gln Val	
	110		115	120
Phe Asn Leu Thr	Leu Leu Cys Met	Glu Glu Tyr Val	Ile Glu Pro	
	125		130	135
Lys Ser Val Gln	Phe Leu Ile Gln	His Gly Phe Asn	Phe Asn Gln	
	140		145	150
Gln Tyr Ala Gln	Gly Ile Pro Tyr	His Lys Gly Asn	Asp Lys Gly	
	155		160	165
Asp Glu Ser Gln	Ser Gln Ser Val	Arg Thr Leu Phe	Leu Glu Leu	
	170		175	180
Ile Arg Ala Arg	Arg Pro Leu Val	Leu His Asn Gly	Leu Ile Asp	
	185		190	195
Leu Val Phe Leu	Tyr Gln Asn Phe	Tyr Ala His Leu	Pro Glu Ser	
	200		205	210
Leu Gly Thr Phe	Thr Ala Asp Leu	Cys Glu Met Phe	Pro Ala Gly	
	215		220	225

Ile Tyr Asp Thr Lys Tyr Ala Ala Glu Phe His Ala Arg Phe Val	230	235	240
Ala Ser Tyr Leu Glu Tyr Ala Phe Arg Lys Cys Glu Arg Glu Asn	245	250	255
Gly Lys Gln Arg Ala Ala Gly Ser Pro His Leu Thr Leu Glu Phe	260	265	270
Cys Asn Tyr Pro Ser Ser Met Arg Asp His Ile Asp Tyr Arg Cys	275	280	285
Cys Leu Pro Pro Ala Thr His Arg Pro His Pro Thr Ser Ile Cys	290	295	300
Asp Asn Phe Ser Ala Tyr Gly Trp Cys Pro Leu Gly Pro Gln Cys	305	310	315
Pro Gln Ser His Asp Ile Asp Leu Ile Ile Asp Thr Asp Glu Ala	320	325	330
Ala Ala Glu Asp Lys Arg Arg Arg Arg Arg Arg Arg Glu Lys Arg	335	340	345
Lys Arg Ala Leu Leu Asn Leu Pro Gly Thr Gln Thr Ser Gly Glu	350	355	360
Ala Lys Asp Gly Pro Pro Lys Lys Gln Val Cys Gly Asp Ser Ile	365	370	375
Lys Pro Glu Glu Thr Glu Gln Glu Val Ala Ala Asp Glu Thr Arg	380	385	390
Asn Leu Pro His Ser Lys Gln Gly Asn Lys Asn Asp Leu Glu Met	395	400	405
Gly Ile Lys Ala Ala Arg Pro Glu Ile Ala Asp Arg Ala Thr Ser	410	415	420
Glu Val Pro Gly Ser Gln Ala Ser Pro Asn Pro Val Pro Gly Asp	425	430	435
Gly Leu His Arg Ala Gly Phe Asp Ala Phe Met Thr Gly Tyr Val	440	445	450
Met Ala Tyr Val Glu Val Ser Gln Gly Pro Gln Pro Cys Ser Ser	455	460	465
Gly Pro Trp Leu Pro Glu Cys His Asn Lys Val Tyr Leu Ser Gly	470	475	480
Lys Ala Val Pro Leu Thr Val Ala Lys Ser Gln Phe Ser Arg Ser	485	490	495
Ser Lys Ala His Asn Gln Lys Met Lys Leu Thr Trp Gly Ser Ser	500	505	510

<210> 6

<211> 732

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2472979CD1

<400> 6

Met Gln Gln Ala Leu Glu Leu Ala Leu Asp Arg Ala Glu Tyr Val	1	5	10	15
Ile Glu Ser Ala Arg Gln Arg Pro Pro Lys Arg Lys Tyr Leu Ser	20	25	30	

Ser Gly Arg Lys Ser Val Phe Gln Lys Leu Tyr Asp Leu Tyr Ile	35	40	45
Glu Glu Cys Glu Lys Glu Pro Glu Val Lys Lys Leu Arg Arg Asn	50	55	60
Val Asn Leu Leu Glu Lys Leu Val Met Gln Glu Thr Leu Ser Cys	65	70	75
Leu Val Val Asn Leu Tyr Pro Gly Asn Glu Gly Tyr Ser Leu Met	80	85	90
Leu Arg Gly Lys Asn Gly Ser Asp Ser Glu Thr Ile Arg Leu Pro	95	100	105
Tyr Glu Glu Gly Glu Leu Leu Glu Tyr Leu Asp Ala Glu Glu Leu	110	115	120
Pro Pro Ile Leu Val Asp Leu Leu Glu Lys Ser Gln Val Asn Ile	125	130	135
Phe His Cys Gly Cys Val Ile Ala Glu Ile Arg Asp Tyr Arg Gln	140	145	150
Ser Ser Asn Met Lys Ser Pro Gly Tyr Gln Ser Arg His Ile Leu	155	160	165
Leu Arg Pro Thr Met Gln Thr Leu Ile Cys Asp Val His Ser Ile	170	175	180
Thr Ser Asp Asn His Lys Trp Thr Gln Glu Asp Lys Leu Leu Leu	185	190	195
Glu Ser Gln Leu Ile Leu Ala Thr Ala Glu Pro Leu Cys Leu Asp	200	205	210
Pro Ser Ile Ala Val Thr Cys Thr Ala Asn Arg Leu Leu Tyr Asn	215	220	225
Lys Gln Lys Met Asn Thr Arg Pro Met Lys Arg Cys Phe Lys Arg	230	235	240
Tyr Ser Arg Ser Ser Leu Asn Arg Gln Gln Asp Leu Ser His Cys	245	250	255
Pro Pro Pro Pro Gln Leu Arg Leu Leu Asp Phe Leu Gln Lys Arg	260	265	270
Lys Glu Arg Lys Ala Gly Gln His Tyr Asp Leu Lys Ile Ser Lys	275	280	285
Ala Gly Asn Cys Val Asp Met Trp Lys Arg Ser Pro Cys Asn Leu	290	295	300
Ala Ile Pro Ser Glu Val Asp Val Glu Lys Tyr Ala Lys Val Glu	305	310	315
Lys Ser Ile Lys Ser Asp Asp Ser Gln Pro Thr Val Trp Pro Ala	320	325	330
His Asp Val Lys Asp Asp Tyr Val Phe Glu Cys Glu Ala Gly Thr	335	340	345
Gln Tyr Gln Lys Thr Lys Leu Thr Ile Leu Gln Ser Leu Gly Asp	350	355	360
Pro Leu Tyr Tyr Gly Lys Ile Gln Pro Cys Lys Ala Asp Glu Glu	365	370	375
Ser Asp Ser Gln Met Ser Pro Ser His Ser Ser Thr Asp Asp His	380	385	390
Ser Asn Trp Phe Ile Ile Gly Ser Lys Thr Asp Ala Glu Arg Val	395	400	405
Val Asn Gln Tyr Gln Glu Leu Val Gln Asn Glu Ala Lys Cys Pro	410	415	420
Val Lys Met Ser His Ser Ser Ser Gly Ser Ala Ser Leu Ser Gln	425	430	435
Val Ser Pro Gly Lys Glu Thr Asp Gln Thr Glu Thr Val Ser Val	440	445	450

Gln	Ser	Ser	Val	Leu	Gly	Lys	Gly	Val	Lys	His	Arg	Pro	Pro	Pro	455	460	465
Ile	Lys	Leu	Pro	Ser	Ser	Ser	Gly	Asn	Ser	Ser	Ser	Gly	Asn	Tyr	470	475	480
Phe	Thr	Pro	Gln	Gln	Thr	Ser	Ser	Phe	Leu	Lys	Ser	Pro	Thr	Pro	485	490	495
Pro	Pro	Ser	Ser	Lys	Pro	Ser	Ser	Ile	Pro	Arg	Lys	Ser	Ser	Val	500	505	510
Asp	Leu	Asn	Gln	Val	Ser	Met	Leu	Ser	Pro	Ala	Ala	Leu	Ser	Pro	515	520	525
Ala	Ser	Ser	Ser	Gln	Arg	Thr	Thr	Ala	Thr	Gln	Val	Met	Ala	Asn	530	535	540
Ser	Ala	Gly	Leu	Asn	Phe	Ile	Asn	Val	Val	Gly	Ser	Val	Cys	Gly	545	550	555
Ala	Gln	Ala	Leu	Met	Ser	Gly	Ser	Asn	Pro	Met	Leu	Gly	Cys	Asn	560	565	570
Thr	Gly	Ala	Ile	Thr	Pro	Ala	Gly	Ile	Asn	Leu	Ser	Gly	Leu	Leu	575	580	585
Pro	Ser	Gly	Gly	Leu	Leu	Pro	Asn	Ala	Leu	Pro	Ser	Ala	Met	Gln	590	595	600
Ala	Ala	Ser	Gln	Ala	Gly	Val	Pro	Phe	Gly	Leu	Lys	Asn	Thr	Ser	605	610	615
Ser	Leu	Arg	Pro	Leu	Asn	Leu	Leu	Gln	Leu	Pro	Gly	Gly	Ser	Leu	620	625	630
Ile	Phe	Asn	Thr	Leu	Gln	Gln	Gln	Gln	Gln	Gln	Leu	Ser	Gln	Phe	635	640	645
Thr	Pro	Gln	Gln	Pro	Gln	Gln	Pro	Thr	Thr	Cys	Ser	Pro	Gln	Gln	650	655	660
Pro	Gly	Glu	Gln	Gly	Ser	Glu	Gln	Gly	Ser	Thr	Ser	Gln	Glu	Gln	665	670	675
Ala	Leu	Ser	Ala	Gln	Gln	Ala	Ala	Val	Ile	Asn	Leu	Thr	Gly	Val	680	685	690
Gly	Ser	Phe	Met	Gln	Ser	Gln	Ala	Ala	Ala	Val	Ala	Ile	Leu	Ala	695	700	705
Ala	Ser	Asn	Gly	Tyr	Gly	Ser	Ser	Ser	Ser	Thr	Asn	Ser	Ser	Ala	710	715	720
Thr	Ser	Ser	Ser	Ala	Tyr	Arg	Gln	Pro	Val	Lys	Lys				725	730	

<210> 7

<211> 343

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2612754CD1

<400> 7

Met	Ala	Gly	Gly	Arg	Pro	His	Leu	Lys	Arg	Ser	Phe	Ser	Ile	Ile	1	5	10	15
Pro	Cys	Phe	Val	Phe	Val	Glu	Ser	Val	Leu	Leu	Gly	Ile	Val	Ile	20	25	30	

Leu	Leu	Ala	Tyr	Arg	Leu	Glu	Phe	Thr	Asp	Thr	Phe	Pro	Val	His
				35					40					45
Thr	Gln	Gly	Phe	Phe	Cys	Tyr	Asp	Ser	Thr	Tyr	Ala	Lys	Pro	Tyr
				50					55					60
Pro	Gly	Pro	Glu	Ala	Ala	Ser	Arg	Val	Pro	Pro	Ala	Leu	Val	Tyr
				65					70					75
Ala	Leu	Val	Thr	Ala	Gly	Pro	Thr	Leu	Thr	Ile	Leu	Leu	Gly	Glu
				80					85					90
Leu	Ala	Arg	Pro	Phe	Phe	Pro	Ala	Pro	Pro	Ser	Ala	Val	Pro	Val
				95					100					105
Ile	Gly	Glu	Ser	Thr	Ile	Val	Ser	Gly	Ala	Cys	Cys	Arg	Phe	Ser
				110					115					120
Pro	Pro	Val	Arg	Arg	Leu	Val	Arg	Phe	Leu	Gly	Val	Tyr	Ser	Phe
				125					130					135
Gly	Leu	Phe	Thr	Thr	Thr	Ile	Phe	Ala	Asn	Ala	Gly	Gln	Val	Val
				140					145					150
Thr	Gly	Asn	Pro	Thr	Pro	His	Phe	Leu	Ser	Val	Cys	Arg	Pro	Asn
				155					160					165
Tyr	Thr	Ala	Leu	Gly	Cys	Leu	Pro	Pro	Ser	Pro	Asp	Arg	Pro	Gly
				170					175					180
Pro	Asp	Arg	Phe	Val	Thr	Asp	Gln	Gly	Ala	Cys	Ala	Gly	Ser	Pro
				185					190					195
Ser	Leu	Val	Ala	Ala	Ala	Arg	Arg	Ala	Phe	Pro	Cys	Lys	Asp	Ala
				200					205					210
Ala	Leu	Cys	Ala	Tyr	Ala	Val	Thr	Tyr	Thr	Ala	Met	Tyr	Val	Thr
				215					220					225
Leu	Val	Phe	Arg	Val	Lys	Gly	Ser	Arg	Leu	Val	Lys	Pro	Ser	Leu
				230					235					240
Cys	Leu	Ala	Leu	Leu	Cys	Pro	Ala	Phe	Leu	Val	Gly	Val	Val	Arg
				245					250					255
Val	Ala	Glu	Tyr	Arg	Asn	His	Trp	Ser	Asp	Val	Leu	Ala	Gly	Phe
				260					265					270
Leu	Thr	Gly	Ala	Ala	Ile	Ala	Thr	Phe	Leu	Val	Thr	Cys	Val	Val
				275					280					285
His	Asn	Phe	Gln	Ser	Arg	Pro	Pro	Ser	Gly	Arg	Ser	Val	Ser	Pro
				290					295					300
Trp	Glu	Asp	Leu	Gly	Gln	Ala	Pro	Thr	Met	Asp	Ser	Pro	Leu	Glu
				305					310					315
Lys	Asn	Pro	Arg	Ser	Ala	Gly	Arg	Ile	Arg	His	Arg	His	Gly	Ser
				320					325					330
Pro	His	Pro	Ser	Arg	Arg	Thr	Ala	Pro	Ala	Val	Ala	Thr		
				335					340					

<210> 8

<211> 717

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2616646CD1

<400> 8

Met	Arg	Arg	Ser	Pro	Pro	Ser	Leu	Arg	Leu	Arg	Leu	Ser	Ala	Asp	1	5	10	15
Asn	Leu	Val	Ala	Ala	Ser	Gly	Gly	Cys	Trp	Phe	Val	Leu	Gly	Glu	20	25	30	
Arg	Arg	Ala	Gly	Ser	Leu	Leu	Ser	Ala	Ser	Tyr	Gly	Thr	Phe	Ala	35	40	45	
Met	Pro	Gly	Met	Val	Leu	Phe	Gly	Arg	Arg	Trp	Ala	Ile	Ala	Ser	50	55	60	
Asp	Asp	Leu	Val	Phe	Pro	Gly	Phe	Phe	Glu	Leu	Val	Val	Arg	Val	65	70	75	
Leu	Trp	Trp	Ile	Gly	Ile	Leu	Thr	Leu	Tyr	Leu	Met	His	Arg	Gly	80	85	90	
Lys	Leu	Asp	Cys	Ala	Gly	Gly	Ala	Leu	Leu	Ser	Ser	Tyr	Leu	Ile	95	100	105	
Val	Leu	Met	Ile	Leu	Leu	Ala	Val	Val	Ile	Cys	Thr	Val	Ser	Ala	110	115	120	
Ile	Met	Cys	Val	Ser	Met	Arg	Gly	Thr	Ile	Cys	Asn	Pro	Gly	Pro	125	130	135	
Arg	Lys	Ser	Met	Ser	Lys	Leu	Leu	Tyr	Ile	Arg	Leu	Ala	Leu	Phe	140	145	150	
Phe	Pro	Glu	Met	Val	Trp	Ala	Ser	Leu	Gly	Ala	Ala	Trp	Val	Ala	155	160	165	
Asp	Gly	Val	Gln	Cys	Asp	Arg	Thr	Val	Val	Asn	Gly	Ile	Ile	Ala	170	175	180	
Thr	Val	Val	Val	Ser	Trp	Ile	Ile	Ile	Ala	Ala	Thr	Val	Val	Ser	185	190	195	
Ile	Ile	Ile	Val	Phe	Asp	Pro	Leu	Gly	Gly	Lys	Met	Ala	Pro	Tyr	200	205	210	
Ser	Ser	Ala	Gly	Pro	Ser	His	Leu	Asp	Ser	His	Asp	Ser	Ser	Gln	215	220	225	
Leu	Leu	Asn	Gly	Leu	Lys	Thr	Ala	Ala	Thr	Ser	Val	Trp	Glu	Thr	230	235	240	
Arg	Ile	Lys	Leu	Leu	Cys	Cys	Cys	Ile	Gly	Lys	Asp	Asp	His	Thr	245	250	255	
Arg	Val	Ala	Phe	Ser	Ser	Thr	Ala	Glu	Leu	Phe	Ser	Thr	Tyr	Phe	260	265	270	
Ser	Asp	Thr	Asp	Leu	Val	Pro	Ser	Asp	Ile	Ala	Ala	Gly	Leu	Ala	275	280	285	
Leu	Leu	His	Gln	Gln	Gln	Asp	Asn	Ile	Arg	Asn	Asn	Gln	Glu	Pro	290	295	300	
Ala	Gln	Val	Val	Cys	His	Ala	Pro	Gly	Ser	Ser	Gln	Glu	Ala	Asp	305	310	315	
Leu	Asp	Ala	Glu	Leu	Glu	Asn	Cys	His	His	Tyr	Met	Gln	Phe	Ala	320	325	330	
Ala	Ala	Ala	Tyr	Gly	Trp	Pro	Leu	Tyr	Ile	Tyr	Arg	Asn	Pro	Leu	335	340	345	
Thr	Gly	Leu	Cys	Arg	Ile	Gly	Gly	Asp	Cys	Cys	Arg	Ser	Arg	Thr	350	355	360	
Thr	Asp	Tyr	Asp	Leu	Val	Gly	Gly	Asp	Gln	Leu	Asn	Cys	His	Phe	365	370	375	
Gly	Ser	Ile	Leu	His	Thr	Thr	Gly	Leu	Gln	Tyr	Arg	Asp	Phe	Ile	380	385	390	
His	Val	Ser	Phe	His	Asp	Lys	Val	Tyr	Glu	Leu	Pro	Phe	Leu	Val	395	400	405	
Ala	Leu	Asp	His	Arg	Lys	Glu	Ser	Val	Val	Val	Ala	Val	Arg	Gly	410	415	420	

Thr Met Ser Leu Gln Asp Val Leu Thr Asp Leu Ser Ala Glu Ser	425	430	435
Glu Val Leu Asp Val Glu Cys Glu Val Gln Asp Arg Leu Ala His	440	445	450
Lys Gly Ile Ser Gln Ala Ala Arg Tyr Val Tyr Gln Arg Leu Ile	455	460	465
Asn Asp Gly Ile Leu Ser Gln Ala Phe Ser Ile Ala Pro Glu Tyr	470	475	480
Arg Leu Val Ile Val Gly His Ser Leu Gly Gly Gly Ala Ala Ala	485	490	495
Leu Leu Ala Thr Met Leu Arg Ala Ala Tyr Pro Gln Val Arg Cys	500	505	510
Tyr Ala Phe Ser Pro Pro Arg Gly Leu Trp Ser Lys Ala Leu Gln	515	520	525
Glu Tyr Ser Gln Ser Phe Ile Val Ser Leu Val Leu Gly Lys Asp	530	535	540
Val Ile Pro Arg Leu Ser Val Thr Asn Leu Glu Asp Leu Lys Arg	545	550	555
Arg Ile Leu Arg Val Val Ala His Cys Asn Lys Pro Lys Tyr Lys	560	565	570
Ile Leu Leu His Gly Leu Trp Tyr Glu Leu Phe Gly Gly Asn Pro	575	580	585
Asn Asn Leu Pro Thr Glu Leu Asp Gly Gly Asp Gln Glu Val Leu	590	595	600
Thr Gln Pro Leu Leu Gly Glu Gln Ser Leu Leu Thr Arg Trp Ser	605	610	615
Pro Ala Tyr Ser Phe Ser Ser Asp Ser Pro Leu Asp Ser Ser Pro	620	625	630
Lys Tyr Pro Pro Leu Tyr Pro Pro Gly Arg Ile Ile His Leu Gln	635	640	645
Glu Glu Gly Ala Ser Gly Arg Phe Gly Cys Cys Ser Ala Ala His	650	655	660
Tyr Ser Ala Lys Trp Ser His Glu Ala Glu Phe Ser Lys Ile Leu	665	670	675
Ile Gly Pro Lys Met Leu Thr Asp His Met Pro Asp Ile Leu Met	680	685	690
Arg Ala Leu Asp Ser Val Val Ser Asp Arg Ala Ala Cys Val Ser	695	700	705
Cys Pro Ala Gln Gly Val Ser Ser Val Asp Val Ala	710	715	

<110> 9

<111> 236

<112> PRT

<113> Homo sapiens

<120>

<121> misc_feature

<123> Incyte ID No: 2625111CD1

<400> 9

Met Leu Pro Asp Cys Leu Ser Ala Glu Gly Glu Leu Arg Cys Arg	1	5	10	15
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Arg	Leu	Leu	Ala	Gly	Ala	Thr	Ala	Arg	Leu	Arg	Ala	Arg	Pro	Ala			
				20					25					30			
Ser	Ala	Ala	Val	Leu	Val	Pro	Leu	Cys	Ser	Val	Arg	Gly	Val	Pro			
				35					40					45			
Ala	Leu	Leu	Tyr	Thr	Leu	Arg	Ser	Ser	Arg	Leu	Thr	Gly	Arg	His			
				50					55					60			
Lys	Gly	Asp	Val	Ser	Phe	Pro	Gly	Gly	Lys	Cys	Asp	Pro	Ala	Asp			
				65					70					75			
Gln	Asp	Val	Val	His	Thr	Ala	Leu	Arg	Glu	Thr	Arg	Glu	Glu	Leu			
				80					85					90			
Gly	Leu	Ala	Val	Pro	Glu	Glu	His	Val	Trp	Gly	Leu	Leu	Arg	Pro			
				95					100					105			
Val	Tyr	Asp	Pro	Gln	Lys	Ala	Thr	Val	Val	Pro	Val	Leu	Ala	Gly			
				110					115					120			
Val	Gly	Pro	Leu	Asp	Pro	Gln	Ser	Leu	Arg	Pro	Asn	Ser	Glu	Glu			
				125					130					135			
Val	Asp	Glu	Val	Phe	Ala	Leu	Pro	Leu	Ala	His	Leu	Leu	Gln	Thr			
				140					145					150			
Gln	Asn	Gln	Gly	Tyr	Thr	His	Phe	Cys	Arg	Gly	Gly	His	Phe	Arg			
				155					160					165			
Tyr	Thr	Leu	Pro	Val	Phe	Leu	His	Gly	Pro	His	Arg	Val	Trp	Gly			
				170					175					180			
Leu	Thr	Ala	Val	Ile	Thr	Glu	Phe	Ala	Leu	Gln	Leu	Leu	Ala	Pro			
				185					190					195			
Gly	Thr	Tyr	Gln	Pro	Arg	Leu	Ala	Gly	Leu	Thr	Cys	Ser	Gly	Ala			
				200					205					210			
Glu	Gly	Leu	Ala	Arg	Pro	Lys	Gln	Pro	Leu	Ala	Ser	Pro	Cys	Gln			
				215					220					225			
Ala	Ser	Ser	Thr	Pro	Gly	Leu	Asn	Lys	Gly	Leu							
				230					235								

<210> 10

<211> 386

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2724525CD1

<400> 10

Met	Ser	Ala	Leu	Glu	Lys	Ser	Met	His	Leu	Gly	Arg	Leu	Pro	Ser			
1				5					10					15			
Arg	Pro	Pro	Leu	Pro	Gly	Ser	Gly	Gly	Ser	Gln	Ser	Gly	Ala	Lys			
				20					25					30			
Met	Arg	Met	Gly	Pro	Gly	Arg	Lys	Arg	Asp	Phe	Ser	Pro	Val	Pro			
				35					40					45			
Trp	Ser	Gln	Tyr	Phe	Glu	Ser	Met	Glu	Asp	Val	Glu	Val	Glu	Asn			
				50					55					60			
Glu	Thr	Gly	Lys	Asp	Thr	Phe	Arg	Val	Tyr	Lys	Ser	Gly	Ser	Glu			
				65					70					75			
Gly	Pro	Val	Leu	Leu	Leu	Leu	His	Gly	Gly	Gly	His	Ser	Ala	Leu			
				80					85					90			

Ser	Trp	Ala	Val	Phe	Thr	Ala	Ala	Ile	Ile	Ser	Arg	Val	Gln	Cys
				95					100					105
Arg	Ile	Val	Ala	Leu	Asp	Leu	Arg	Ser	His	Gly	Glu	Thr	Lys	Val
				110					115					120
Lys	Asn	Pro	Glu	Asp	Leu	Ser	Ala	Glu	Thr	Met	Ala	Lys	Asp	Val
				125					130					135
Gly	Asn	Val	Val	Glu	Ala	Met	Tyr	Gly	Asp	Leu	Pro	Pro	Pro	Ile
				140					145					150
Met	Leu	Ile	Gly	His	Ser	Met	Gly	Gly	Ala	Ile	Ala	Val	His	Thr
				155					160					165
Ala	Ser	Ser	Asn	Leu	Val	Pro	Ser	Leu	Leu	Gly	Leu	Cys	Met	Ile
				170					175					180
Asp	Val	Val	Glu	Gly	Thr	Ala	Met	Asp	Ala	Leu	Asn	Ser	Met	Gln
				185					190					195
Asn	Phe	Leu	Arg	Gly	Arg	Pro	Lys	Thr	Phe	Lys	Ser	Leu	Glu	Asn
				200					205					210
Ala	Ile	Glu	Trp	Ser	Val	Lys	Ser	Gly	Gln	Ile	Arg	Asn	Leu	Glu
				215					220					225
Ser	Ala	Arg	Val	Ser	Met	Val	Gly	Gln	Val	Lys	Gln	Cys	Glu	Gly
				230					235					240
Ile	Thr	Ser	Pro	Glu	Gly	Ser	Lys	Ser	Ile	Val	Glu	Gly	Ile	Ile
				245					250					255
Glu	Glu	Glu	Glu	Glu	Asp	Glu	Glu	Gly	Ser	Glu	Ser	Ile	Ser	Lys
				260					265					270
Arg	Lys	Lys	Glu	Asp	Asp	Met	Glu	Thr	Lys	Lys	Asp	His	Pro	Tyr
				275					280					285
Thr	Trp	Arg	Ile	Glu	Leu	Ala	Lys	Thr	Glu	Lys	Tyr	Trp	Asp	Gly
				290					295					300
Trp	Phe	Arg	Gly	Leu	Ser	Asn	Leu	Phe	Leu	Ser	Cys	Pro	Ile	Pro
				305					310					315
Lys	Leu	Leu	Leu	Leu	Ala	Gly	Val	Asp	Arg	Leu	Asp	Lys	Asp	Leu
				320					325					330
Thr	Ile	Gly	Gln	Met	Gln	Gly	Lys	Phe	Gln	Met	Gln	Val	Leu	Pro
				335					340					345
Gln	Cys	Gly	His	Ala	Val	His	Glu	Asp	Ala	Pro	Asp	Lys	Val	Ala
				350					355					360
Glu	Ala	Val	Ala	Thr	Phe	Leu	Ile	Arg	His	Arg	Phe	Ala	Glu	Pro
				365					370					375
Ile	Gly	Gly	Phe	Gln	Cys	Val	Phe	Pro	Gly	Cys				
				380					385					

<210> 11

<211> 522

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 2824691CD1

<400> 11

Met	Val	Arg	Ser	Gly	Lys	Asn	Gly	Asp	Leu	His	Leu	Lys	Gln	Ile
1				5					10					15

Ala	Tyr	Tyr	Lys	Arg	Thr	Gly	Glu	Tyr	His	Ser	Thr	Thr	Leu	Pro
				20					25					30
Ser	Glu	Arg	Ser	Gly	Ile	Arg	Arg	Ala	Ala	Lys	Lys	Phe	Val	Phe
				35					40					45
Lys	Glu	Lys	Lys	Leu	Phe	Tyr	Val	Gly	Lys	Asp	Arg	Lys	Gln	Asn
				50					55					60
Arg	Leu	Val	Ile	Val	Ser	Glu	Glu	Glu	Lys	Lys	Lys	Val	Leu	Arg
				65					70					75
Glu	Cys	His	Glu	Asn	Asp	Ser	Gly	Ala	His	His	Gly	Ile	Ser	Arg
				80					85					90
Thr	Leu	Thr	Leu	Val	Glu	Ser	Asn	Tyr	Tyr	Trp	Thr	Ser	Val	Thr
				95					100					105
Asn	Asp	Val	Lys	Gln	Trp	Val	Tyr	Ala	Cys	Gln	His	Cys	Gln	Val
				110					115					120
Ala	Lys	Asn	Thr	Val	Ile	Val	Ala	Pro	Lys	Gln	His	Leu	Leu	Lys
				125					130					135
Val	Glu	Asn	Pro	Trp	Ser	Leu	Val	Thr	Val	Asp	Leu	Met	Gly	Pro
				140					145					150
Phe	His	Thr	Ser	Asn	Arg	Ser	His	Val	Tyr	Ala	Ile	Ile	Met	Thr
				155					160					165
Asp	Leu	Phe	Thr	Lys	Trp	Ile	Val	Ile	Leu	Pro	Leu	Cys	Asp	Val
				170					175					180
Ser	Ala	Ser	Glu	Val	Ser	Lys	Ala	Ile	Ile	Asn	Ile	Phe	Phe	Leu
				185					190					195
Tyr	Gly	Pro	Pro	Gln	Lys	Ile	Ile	Met	Asp	Gln	Arg	Asp	Glu	Phe
				200					205					210
Ile	Gln	Gln	Ile	Asn	Ile	Glu	Leu	Tyr	Arg	Leu	Phe	Gly	Ile	Lys
				215					220					225
Gln	Ile	Val	Ile	Ser	His	Thr	Ser	Gly	Thr	Val	Asn	Pro	Met	Glu
				230					235					240
Ser	Thr	Pro	Asn	Thr	Ile	Lys	Ala	Phe	Leu	Ser	Lys	His	Cys	Ala
				245					250					255
Asp	His	Pro	Asn	Asn	Trp	Asp	Asp	His	Leu	Ser	Ala	Val	Ser	Phe
				260					265					270
Ala	Phe	Asn	Val	Thr	His	Leu	Glu	Pro	Thr	Lys	Asn	Thr	Pro	Tyr
				275					280					285
Phe	Gln	Met	Phe	Ser	Arg	Asn	Pro	Tyr	Met	Pro	Glu	Thr	Ser	Asp
				290					295					300
Ser	Leu	His	Glu	Val	Asp	Gly	Asp	Asn	Thr	Ser	Met	Phe	Ala	Lys
				305					310					315
Ile	Leu	Asp	Ala	Ile	Lys	Glu	Ala	Asp	Lys	Ile	Met	Glu	Asn	Lys
				320					325					330
Thr	Thr	Ser	Leu	Gly	Gln	Met	Glu	Asn	Asn	Asn	Leu	Asp	Glu	Leu
				335					340					345
Asn	Lys	Ser	Lys	Ile	Ile	Val	Lys	Lys	Lys	Pro	Lys	Gln	Leu	Asn
				350					355					360
Pro	Phe	His	Leu	Lys	Val	Gly	His	Glu	Val	Leu	Arg	Gln	Arg	Lys
				365					370					375
Asn	Trp	Trp	Lys	Asp	Gly	Arg	Phe	Gln	Ser	Glu	Trp	Val	Gly	Pro
				380					385					390
Cys	Val	Ile	Asp	Tyr	Ile	Thr	Glu	Ser	Gly	Cys	Ala	Val	Leu	Arg
				395					400					405
Asp	Asn	Thr	Gly	Val	Arg	Leu	Lys	Arg	Pro	Ile	Lys	Met	Ser	His
				410					415					420
Leu	Lys	Pro	Tyr	Ile	Arg	Glu	Ser	Ser	Glu	Gln	Glu	Ser	Leu	Tyr
				425					430					435

Leu	Leu	Gln	Gly	Ser	Val	Val	Ala	Asp	His	Asp	Tyr	Ile	Gly	Leu
				440					445					450
Pro	Glu	Ile	Pro	Ile	Gly	Ala	Tyr	Gln	Ala	Asn	Ile	Leu	Val	Glu
				455					460					465
Asp	Ala	Thr	Ile	Gly	Ile	Val	Asp	Asn	Glu	Leu	Leu	Thr	Ser	Ser
				470					475					480
Lys	Asp	Arg	Glu	Leu	Leu	Glu	Tyr	Arg	Asn	Thr	Lys	Ile	Ser	Pro
				485					490					495
Leu	Ile	Asp	Asp	His	Ser	Ser	Leu	Glu	Lys	Gln	Thr	Phe	Ser	Leu
				500					505					510
Leu	Asp	Ser	Ser	Asn	Gln	Val	Leu	Glu	Tyr	Leu	Ser			
				515					520					

<210> 12

<211> 420

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 4722794CD1

<400> 12

Met	Thr	Met	Glu	Lys	Gly	Met	Ser	Ser	Gly	Glu	Gly	Leu	Pro	Ser
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Arg	Ser	Ser	Gln	Val	Ser	Ala	Gly	Lys	Ile	Thr	Ala	Lys	Glu	Leu
				20					25					30
Glu	Thr	Lys	Gln	Ser	Tyr	Lys	Glu	Lys	Arg	Gly	Gly	Phe	Val	Leu
				35					40					45
Val	His	Ala	Gly	Ala	Gly	Tyr	His	Ser	Glu	Ser	Lys	Ala	Lys	Glu
				50					55					60
Tyr	Lys	His	Val	Cys	Lys	Arg	Ala	Cys	Gln	Lys	Ala	Ile	Glu	Lys
				65					70					75
Leu	Gln	Ala	Gly	Ala	Leu	Ala	Thr	Asp	Ala	Val	Thr	Ala	Ala	Leu
				80					85					90
Val	Glu	Leu	Glu	Asp	Ser	Pro	Phe	Thr	Asn	Ala	Gly	Met	Gly	Ser
				95					100					105
Asn	Leu	Asn	Leu	Leu	Gly	Glu	Ile	Glu	Cys	Asp	Ala	Ser	Ile	Met
				110					115					120
Asp	Gly	Lys	Ser	Leu	Asn	Phe	Gly	Ala	Val	Gly	Ala	Leu	Ser	Gly
				125					130					135
Ile	Lys	Asn	Pro	Val	Ser	Val	Ala	Asn	Arg	Leu	Leu	Cys	Glu	Gly
				140					145					150
Gln	Lys	Gly	Lys	Leu	Ser	Ala	Gly	Arg	Ile	Pro	Pro	Cys	Phe	Leu
				155					160					165
Val	Gly	Glu	Gly	Ala	Tyr	Arg	Trp	Ala	Val	Asp	His	Gly	Ile	Pro
				170					175					180
Ser	Cys	Pro	Pro	Asn	Ile	Met	Thr	Thr	Arg	Phe	Ser	Leu	Ala	Ala
				185					190					195
Phe	Lys	Arg	Asn	Lys	Arg	Lys	Leu	Glu	Leu	Ala	Glu	Arg	Val	Asp
				200					205					210
Thr	Asp	Phe	Met	Gln	Leu	Lys	Lys	Arg	Arg	Gln	Ser	Ser	Glu	Lys
				215					220					225

Glu	Asn	Asp	Ser	Gly	Thr	Leu	Asp	Thr	Val	Gly	Ala	Val	Val	Val			
				230					235					240			
Asp	His	Glu	Gly	Asn	Val	Ala	Ala	Ala	Val	Ser	Ser	Gly	Gly	Leu			
				245					250					255			
Ala	Leu	Lys	His	Pro	Gly	Arg	Val	Gly	Gln	Ala	Ala	Leu	Tyr	Gly			
				260					265					270			
Cys	Gly	Cys	Trp	Ala	Glu	Asn	Thr	Gly	Ala	His	Asn	Pro	Tyr	Ser			
				275					280					285			
Thr	Ala	Val	Ser	Thr	Ser	Gly	Cys	Gly	Glu	His	Leu	Val	Arg	Thr			
				290					295					300			
Ile	Leu	Ala	Arg	Glu	Cys	Ser	His	Ala	Leu	Gln	Ala	Glu	Asp	Ala			
				305					310					315			
His	Gln	Ala	Leu	Leu	Glu	Thr	Met	Gln	Asn	Lys	Phe	Ile	Ser	Ser			
				320					325					330			
Pro	Phe	Leu	Ala	Ser	Glu	Asp	Gly	Val	Leu	Gly	Gly	Val	Ile	Val			
				335					340					345			
Leu	Arg	Ser	Cys	Arg	Cys	Ser	Ala	Glu	Pro	Asp	Ser	Ser	Gln	Asn			
				350					355					360			
Lys	Gln	Thr	Leu	Leu	Val	Glu	Phe	Leu	Trp	Ser	His	Thr	Thr	Glu			
				365					370					375			
Ser	Met	Cys	Val	Gly	Tyr	Met	Ser	Ala	Gln	Asp	Gly	Lys	Ala	Lys			
				380					385					390			
Thr	His	Ile	Ser	Arg	Leu	Pro	Pro	Gly	Ala	Val	Ala	Gly	Gln	Ser			
				395					400					405			
Val	Ala	Ile	Glu	Gly	Gly	Val	Cys	Arg	Leu	Glu	Ser	Pro	Val	Asn			
				410					415					420			

<210> 13

<211> 186

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5328267CD1

<400> 13

Met	Lys	Ala	Leu	Leu	Val	Leu	Gly	Phe	Leu	Leu	Leu	Ser	Ala	Ser			
1				5					10					15			
Val	Gln	Ala	Lys	Thr	Tyr	Glu	Arg	Cys	Glu	Phe	Ala	Arg	Thr	Leu			
				20					25					30			
Lys	Arg	Asn	Gly	Met	Ser	Gly	Tyr	Tyr	Gly	Val	Ser	Leu	Ala	Asp			
				35					40					45			
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				50					55					60			
Arg	Asn	Tyr	Asn	Pro	Gly	Asp	Gln	Ser	Thr	Asp	Tyr	Gly	Ile	Phe			
				65					70					75			
Gln	Ile	Asn	Ser	Arg	Tyr	Trp	Cys	Asn	Asp	Gly	Lys	Thr	Pro	Arg			
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Ala	Lys	Asn	Ala	Cys	Gly	Ile	Pro	Cys	Ser	Ala	Leu	Leu	Gln	Asp			
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Asp	Ile	Thr	Ala	Ala	Ile	Gln	Cys	Ala	Lys	Arg	Val	Val	Arg	Asp			
				110					115					120			

Pro	Gln	Gly	Ile	Arg	Ala	Trp	Val	Ala	Trp	Gln	Arg	His	Cys	Lys
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Asn	Arg	Asp	Leu	Ser	Gly	Tyr	Ile	Arg	Asn	Cys	Gly	Val	Trp	Thr
				140					145					150
Gln	Cys	Thr	Ser	Thr	Gln	Leu	Thr	Leu	Ser	Leu	Ser	His	Cys	Gly
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Ser	Ser	Tyr	Gly	Glu	Gly	Pro	Thr	Ser	Leu	Leu	Ser	Pro	Gln	Asn
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<211> 248

<212> PRT

<213> Homo sapiens

<220>

<221> misc_feature

<223> Incyte ID No: 5382277CD1

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Lys	Cys	Asp	Val	Leu	Asn	Arg	Gly	Phe	Ser	Gly	Tyr	Asn	Thr	Arg
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Trp	Ala	Lys	Ile	Ile	Leu	Pro	Arg	Leu	Ile	Arg	Lys	Gly	Asn	Ser
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Leu	Asp	Ile	Pro	Val	Ala	Val	Thr	Ile	Phe	Phe	Gly	Ala	Asn	Asp
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Ser	Ala	Leu	Lys	Asp	Glu	Asn	Pro	Lys	Gln	His	Ile	Pro	Leu	Glu
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Glu	Tyr	Ala	Ala	Asn	Leu	Lys	Ser	Met	Val	Gln	Tyr	Leu	Lys	Ser
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Val	Asp	Ile	Pro	Glu	Asn	Arg	Val	Ile	Leu	Ile	Thr	Pro	Thr	Pro
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Leu	Cys	Glu	Thr	Ala	Trp	Glu	Glu	Gln	Cys	Ile	Ile	Gln	Gly	Cys
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Lys	Leu	Asn	Arg	Leu	Asn	Ser	Val	Val	Gly	Glu	Tyr	Ala	Asn	Ala
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Cys	Leu	Gln	Val	Ala	Gln	Asp	Cys	Gly	Thr	Asp	Val	Leu	Asp	Leu
				170					175					180
Trp	Thr	Leu	Met	Gln	Asp	Ser	Gln	Asp	Phe	Ser	Ser	Tyr	Leu	Ser
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Asp	Gly	Leu	His	Leu	Ser	Pro	Lys	Gly	Asn	Glu	Phe	Leu	Phe	Ser
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His	Leu	Trp	Pro	Leu	Ile	Glu	Lys	Lys	Val	Ser	Ser	Leu	Pro	Leu
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Leu	Leu	Pro	Tyr	Trp	Arg	Asp	Val	Ala	Glu	Ala	Lys	Pro	Glu	Leu
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<213> Homo sapiens

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<212> DNA
<213> Homo sapiens

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<211> 2634

<212> DNA

<213> Homo sapiens

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<223> Incyte ID No: 2054065CB1

<400> 17

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<210> 18

<211> 946

<212> DNA

<213> Homo sapiens

<220>

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<223> Incyte ID No: 2183367CB1

<400> 18

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<212> DNA

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<223> Incyte ID No: 2472979CB1

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